

ABSTRACT OF THE DISCLOSURE

An Automatic Gain Control system (AGC) in which an adder adds a
5 Radio Frequency (RF) signal power of only the low-frequency component
of a RF signal and an intermediate-frequency (IF) signal of an output
from a variable-gain intermediate-frequency amplifier, which is higher
than the frequency of the low-frequency component, and outputs the
result to an A/D converter. This construction makes it possible to input
10 power data for the RF stage to a demodulation LSI. The demodulation
LSI separates the low-frequency component from the input signal, and by
detecting the power of the extracted signal, is able to obtain the output
data for the RF signal, and it separates the IF component from the input
signal, and by detecting the power of the extracted signal, is able to
15 obtain the output data for the IF signal.